ECS/EMD Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Org.
Henry Baez	**11/09/2004**	**04-0617**		301-925-1025	3108G	COTS HW

8. CCR Title: Install IBM IY58673 Patch on PVC and VATC firewalls for testing.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 11/11/2004
Henry Baez /s/ 11/08/2004	**II**	**CCR**	

13. CCR Sponsor Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Pamela Johnson /s/ 11/08/2004	Initial ECS Baseline Doc.	Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):*	17. Schedule Impact:	18. CI(s) Affected:

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
		None - Under 100K

22. Source Reference: ☒NCR (attach)   ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:
41469

23. Problem: (use additional Sheets if necessary)
The SMC had an error on Oct. 29, "SOFTWARE PROGRAM ABNORMALLY TERMINATED".   This produced a core dump. The firewall did not crashed.

24. Proposed Solution: (use additional sheets if necessary)
IBM reports a problem with use of the netstat command in AIX 5.1. IBM says it should not stop or crash the AIX OS. At the same time IBM has put out a fix, IY58637, and highly recommends you install it. IY59637 is a group of updated file sets. This problem has not been seen in VATC and PVC but will load and test first in VATC and after a couple of days in PVC. If updated files sets do not affect any flows, will release to install on SMC firewall only for now.

25. Alternate Solution: (use additional sheets if necessary)
None.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
IBM says this should not cause a crash or stoppage, not that it will not cause a crash. Additional errors, core files, might cause failure of SMC firewall. SMC firewall is main DNS server for ecs.nasa.gov domain.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF   ☒PVC   ☒VATC   ☐EDC   ☐ GSFC ☐LaRC   ☐NSIDC   ☐SMC ☐AK ☐JPL
☐EOC   ☐ IDG Test Cell   ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. SCDV CCB Chair (Sign/Date): **Abdollah Abtahi /s/ 11/11/2004**	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. EDF CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #:   04-0617   **Rev:**   **Originator:** Henry Baez

Telephone: 301-925-1025   **Office:** 3108G

Title of Change: Install IBM IY58673 Patch on PVC and VATC firewalls for testing.

For VATC and PVC firewall:

Create a new directory under /tmp. Call it '/tmp/fixes/netcore'. Change directory to /tmp/fixes/netcore.
    #mkdir /tmp/fixes/netcore <enter>
    #cd /tmp/fixes/netcore <enter>

FTP the file 'netstatcore.tar.Z'. Now uncompress it with the AIX 'uncompress command as follows:
    #uncompress netstatcore.tar.Z

The file is now named netstatcore.tar and need to check that the file is good with the AIX command cksum as follows:
    # cksum netstatcore.tar
The results are shown below:
    2967102334 47349760 netcore.tar

Next un-tar the file as follows:
     # tar –xvf netstatcore.tar

Now type the following command:
    #inutoc . <enter>

This will build the '.toc' file the installation program needs. Start the SMIT program with the following command:
    #smit <enter>
The first menu heading will read:
          Software Installation and Maintenance
Click on the box labeled as follows:
           Install and Upgrade Software
Click on the box labeled as follows:
           Install and Update from LATEST Available Software
A new menu will pop up. It will display the message/question "INPUT device / directory". Write in the directory path '/tmp/fixes/netcore' where the files are located. Click on 'OK' button.
Next menu will pop up. Take all the defaults.   Click on 'OK' button to continue.
A new dialog box will display 'Are You Sure', click on 'OK' button to start installing the file sets. Estimated installation time is less then 15 minutes.   You will have to reboot the firewall.